

We claim:

1. A composition comprising
 - (1) 30 to 98.5 weight percent polypropylene base resin;
 - (2) 1 to 70 weight percent dispersed component selected from the group consisting of filler-type materials and polymers which are incompatible with said base resin; and
 - (3) 0.25 to 10 weight percent propylene-ethylene copolymer grafted with a carboxylic acid or derivative.
2. The composition of Claim 1 wherein the base resin is a highly crystalline propylene homopolymer having a tacticity index greater than 90 and melt flow rate from 0.5 to 100 g/10 min.
3. The composition of Claim 2 wherein the tacticity index is greater than 94 and melt flow rate is from 2 to 50 g/10 min.
4. The composition of Claim 1 wherein the grafted propylene-ethylene copolymer is an impact copolymer which is a reactor-made intimate mixture of propylene homopolymer and 20 weight percent or more propylene-ethylene copolymer grafted with 1 weight percent or more graft monomer selected from the group consisting of ethylenically unsaturated carboxylic acids and carboxylic acid derivatives.
5. The composition of Claim 4 wherein the propylene-ethylene impact copolymer has an ethylene content from 5 to 30 percent and molecular weight distribution of 7 or less.
6. The composition of Claim 4 wherein the graft monomer is maleic anhydride, the graft monomer content is 1.75 to 3.5 weight percent and the graft to melt flow rate ratio of the grafted impact copolymer is 0.5 or above.

7. The composition of Claim 1 comprising 50 to 95 weight percent polypropylene base resin, 2.5 to 60 weight percent dispersed component and 0.5 to 5 weight percent grafted propylene-ethylene impact copolymer.

8. The composition of Claim 1 wherein the dispersed component is a polymer selected from the group consisting of ethylene-vinyl alcohol copolymer, polyamide, polyester, polyvinylchloride, polyvinylidenedichloride, ethylene-carbon monoxide copolymer and terpolymer, polycarbonate, polyether, high impact polystyrene, styrene-acrylonitrile copolymer and acrylonitrile-butadiene-styrene terpolymer.

9. The composition of Claim 8 wherein the dispersed component is a polyamide selected from the group consisting of polytetramethylene adipamide, polyhexamethylene adipamide, polyhexamethylene azelamide, polyhexamethylene sebacamide, polyhexamethylene dodecanoamide, polycaprolactam, polybutyrolactam, polypivalolactam and poly-11-aminoundecanoic acid.

10. The composition of Claim 9 wherein the base resin is a highly crystalline homopolymer having a tacticity index greater than 90 and melt flow rate from 0.5 to 100 g/10 min and the grafted propylene-ethylene impact copolymer is a reactor-made intimate mixture of propylene homopolymer and 20 weight percent or more propylene-ethylene copolymer and having a molecular weight distribution of 7 or less grafted with 1.75 to 3.5 weight percent maleic anhydride.

11. The composition of Claim 10 comprising 50 to 95 weight percent polypropylene base resin, 1 to 30 weight percent dispersed component and 0.5 to 5 weight percent grafted propylene-ethylene impact copolymer.

12. The composition of Claim 1 wherein the dispersed component is selected from the group consisting of inorganic compounds, siliceous materials, cellulosic materials and nanofillers.

13. The composition of Claim 12 wherein the dispersed component is a fibrous cellulosic material derived from natural sources.

14. The composition of Claim 13 wherein the fibrous cellulosic material is derived from cellulose pulp having an α -cellulose purity greater than 80%.

15. The composition of Claim 14 comprising 50 to 95 weight percent polypropylene, base resin 40 to 70 weight percent dispersed component and 0.5 to 5 weight percent grafted propylene-ethylene impact copolymer.

16. The composition of Claim 15 wherein the base resin is a highly crystalline homopolymer having a tacticity index greater than 90 and melt flow rate from 0.5 to 100 g/10 min and the grafted propylene-ethylene impact copolymer is a reactor-made intimate mixture of propylene homopolymer and 20 weight percent or more propylene-ethylene copolymer and having a molecular weight distribution of 7 or less grafted with 1.75 to 3.5 weight percent maleic anhydride.

17. The composition of Claim 12 wherein the dispersed component is glass fiber.

18. The composition of Claim 17 comprising 50 to 95 weight percent polypropylene base resin, 5 to 50 weight percent dispersed component and 0.5 to 5 weight percent grafted propylene-ethylene impact copolymer.

19. The composition of Claim 18 wherein the base resin is a highly crystalline homopolymer having a tacticity index greater than 90 and melt flow rate from 0.5 to 100 g/10 min and the grafted propylene-ethylene impact copolymer is a reactor-made intimate mixture of propylene homopolymer and 20 weight percent or more propylene-ethylene copolymer and having a molecular weight distribution of 7 or less grafted with 1.75 to 3.5 weight percent maleic anhydride.